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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.

HELENA, MONTANA

Vol. XI, No. 7 — McKEE PRINT. — JULY, 1963

Production of crude oil and condensate from the oil and gas areas of Montana for the Month of July, 1963, averaged 83,603 barrels daily, a decrease of 250 barrels from the average June production of 83,853.

The eight refineries in State processed 83,340 barrels of crude oil daily for the month of July, 1963, a decrease of 2,739 barrels from the 86,079 barrels processed daily during the month of June, 1963.

During July, 45 wells were completed, 16 oil, 0 gas wells and 29 dry holes.

During July, the commission issued 35 permits to drill new wells, an increase of 6 from the 29 permits issued during June.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA
MONTH OF JULY, 1963

IN STORAGE JULY 1st:	
By Producers	367,601
By Transporters	901,594
By Refiners	396,726
TOTAL STORAGE	1,665,921
Produced in Montana During Month	2,591,716
Imported During Month	1,586,879
TOTALS	5,844,516
DISPOSITION:	
Refined in Montana	2,583,537
Exported	1,636,535
Used for Fuel or Lost	5,361
TOTAL	4,225,433
IN STORAGE JULY 31st:	
By Producers	337,235
By Transporters	860,694
By Refiners	421,154
TOTAL STORAGE	1,619,083

NATURAL GAS WITHDRAWALS IN MONTANA
Month of July, 1963

Field	M Cu. Ft.
Bears Den	10,318
Big Coulee	36,543
Bowdoin	49,669
Bowes	67,976
Cabin Creek	100,044
Cedar Creek	154,439
Clarks Fork	0
Cut Bank (including Reagan)	381,054
Devon	8,950
Dry Creek	45,605
Elk Basin	26,090
Flat Coulee	17,233
Gold Butte	31,970
Golden Dome	0
Grandview	6,631
Hardin	4,277
Havre	0
Keith Block	59,606
Kevin Sunburst	98,040
Pine	58,225
Plevna	18,822
Utopia	0
Whitlash	208,139
Miscellaneous	27,843
TOTAL	1,411,474

Total Withdrawals for July, 1962 were 1,296,324 M Cu. Ft.

PRODUCERS REPORT—MONTH OF JULY, 1963

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	441	2,193	.....	1,625	.....	1,009
4	Bannatyne	7	531	1,171	.....	995	.....	707
1	Bascom	1	81	548	383	.....	.....	246
4	Bear's Den	5	1,710	2,833	.....	3,406	.....	1,137
1	Belfry	1	210	449	.....	363	.....	296
1	Benrud	1	1,149	557	1,230	.....	.....	496
1	Benrud East	1	1,233	15,674	15,663	.....	.....	1,244
9	Big Wall	29	2,220	20,476	19,438	611	.....	2,647
10	Blackfoot	15	3,885	10,833	7,338	4,735	.....	2,645
3	Border	3	121	725	.....	660	.....	186
1	Bowes	46	9,667	15,811	19,524	.....	.....	5,954
3	Brady	7	261	1,443	1,254	.....	.....	450
2	Bredette North	2	1,381	474	.....	.....	.....	1,855
10	Cabin Creek	113	9,287	293,113	293,652	.....	.....	8,748
14	Cat Creek	95	3,149	20,154	18,714	.....	.....	4,589
1	Clark's Fork	1	96	374	.....	306	.....	164
....	Clark's Fork North	....	1,531	.....	.....	.....	.....	1,531
1	Cupton	1	1,180	1,318	870	939	.....	689
204	Cut Bank	992	111,310	147,054	148,154	.....	55	110,155
3	Deer Creek	6	3,376	12,906	13,703	.....	.....	2,579
2	Delphia	2	595	746	.....	793	7	541
1	Devil's Basin	1	1,207	117	243	.....	.....	1,081
....	Dry Creek	....	812	.....	.....	.....	.....	812
19	Dwyer	20	10,926	56,987	57,695	.....	.....	10,218
9	Elk Basin	60	4,579	272,416	273,862	.....	.....	3,133
1	Fertile Prairie	1	484	1,781	1,828	.....	.....	437
3	Flat Coulee	18	6,068	31,918	.....	35,387	.....	2,599
2	Frannie	2	.....	1,734	1,734	.....	.....	.....
2	Gage	2	753	542	479	.....	6	810
4	Gas City	26	9,920	65,240	67,899	1,844	464	4,953
6	Glendive	11	1,391	39,313	28,661	10,517	.....	1,526
7	Graben Coulee	16	4,654	9,855	10,050	.....	.....	4,459
5	Gypsy Basin	5	1,237	2,106	2,367	.....	50	926
1	Hibbard	1	172	616	.....	597	.....	191
8	Ivanhoe	17	3,748	32,496	32,774	.....	.....	3,470
6	Keg Coulee	14	5,292	28,417	30,242	.....	.....	3,467
161	Kevin Sunburst	919	19,254	49,681	51,096	.....	.....	17,839
2	Little Beaver	24	3,723	27,043	26,754	662	.....	3,350
4	Little Beaver East	20	3,317	25,896	26,280	.....	.....	2,933
3	Lone Tree	3	1,595	7,312	.....	7,062	.....	1,845
23	Lookout Butte	64	8,610	206,476	204,779	4,186	.....	6,121
....	MacKay Dome	....	770	.....	.....	.....	.....	770
2	Melstone	4	832	4,055	3,968	.....	.....	919
6	Monarch	16	2,680	13,593	13,038	.....	.....	3,235
4	Mosser	4	.....	701	.....	701	.....	.....
2	Musselshell	2	628	1,714	.....	1,701	.....	641
7	Outlook	11	6,685	33,780	35,264	.....	.....	5,201
2	Outlook South	2	2,127	1,927	2,866	.....	.....	1,188
48	Pennel	83	4,364	202,924	202,766	.....	.....	4,522
4	Pine	135	13,209	343,407	342,746	788	.....	13,082
76	Pondera	331	8,210	36,241	35,514	.....	.....	8,937
....	Pondera Coulee	.....	.....	.....	.....	.....	.....	.....
5	Poplar, East	83	14,597	126,873	127,759	.....	73	13,638
4	Poplar, Northwest	5	2,240	1,977	3,227	.....	.....	990
4	Ragged Point	7	1,895	4,034	3,973	.....	.....	1,956
3	Reagan	7	2,541	19,696	18,501	.....	.....	3,736
9	Red Creek	22	4,075	47,420	44,619	2,410	.....	4,466
1	Redstone	1	659	968	1,298	.....	.....	329
1	Repeat	1	484	1,904	.....	2,171	.....	217
7	Richey	9	2,763	9,432	9,270	.....	.....	2,925
6	Richey, Southwest	7	3,446	9,630	10,130	.....	.....	2,946
4	Sand Creek	5	4,183	10,633	11,559	.....	.....	3,257
7	Sidney-Brorson	7	4,767	6,231	2,932	3,190	18	4,858
2	Snyder	4	2,240	334	.....	1,020	.....	1,554
5	Soap Creek	9	5,495	4,064	.....	4,142	.....	5,417
1	Spring Lake	2	2,674	13,205	.....	13,765	.....	2,114
2	Stensvad	27	8,445	45,307	47,153	.....	.....	6,599
27	Sumatra	84	13,333	125,871	126,165	.....	.....	13,039
6	Tule Creek	8	2,397	64,946	64,331	.....	.....	3,012
12	Whitlash	32	4,438	10,648	.....	10,845	.....	4,241
3	Whitlash West	3	335	923	.....	1,012	.....	246
8	Wolf Springs	17	3,501	16,092	16,086	.....	.....	3,507
4	Woodrow	6	815	14,152	14,400	.....	.....	567
2	Wildcat, Sheridan Cty	2	1,521	7,971	.....	8,644	.....	848
1	Wildcat, Roosevelt Cty	1	96	2,245	.....	2,101	.....	240
818		3,493	367,601	2,591,716	2,494,231	127,178	673	337,235

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1962	31,647,507	86,705	31,739,123	86,956
First Quarter, 1963	7,700,475	86,522	7,645,115	85,900
Second Quarter, 1963	7,698,583	84,600	7,718,750	84,821
July, 1963	2,591,716	83,603	2,621,409	84,561

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1962	350,355	917,246	595,843	1,863,444
March, 1963	391,644	915,187	407,232	1,714,063
June, 1963	367,601	901,594	396,726	1,665,921
July, 1963	337,235	860,694	421,154	1,619,083

*Includes Wyoming Oil.

TRANSPORTER'S REPORT—MONTH OF JULY, 1963

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			1,625				1,625		
BANNATYNE—Truck			995			995			
BEAR'S DEN—Truck			3,406					3,406	
BELFRY—Truck			363				363		
BIG WALL—McWood Corp.			611					611	
Glacier Pipe Line Co.		20,408				20,408			
		20,408	611			20,408		611	
BLACKFOOT—Union Oil Co.		7,338				7,338			
Truck			4,735					4,735	
		7,338	4,735			7,338		4,735	
BORDER—Truck			660					660	
BOWES—Texaco, Inc.		19,524				19,524			
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	292,667	751,926		833,719			1,565,965		312,347
Shell Pipe Line Corp.	5,747	447,498						447,498	5,747
Truck			10,590					10,590	
	298,414	1,199,424	10,590	833,719			1,565,965	458,088	318,094
CAT CREEK									
Glacier Pipe Line Co.		16,354				16,354			
CLARK'S FORK—Truck			306				306		
CUT BANK									
Darling Gathering System, Inc.	1,863	6,927						6,927	1,863
Glacier Pipe Line Co.				120,570				120,570	
Phillips Petroleum Co.	80,040	47,445		51,905	375	35,545		91,582	51,388
Texas Pipe Line Co.	24,367	18,700		36,138	(6)	13,504		31,135	34,572
Teton Pipeline Corp.	25,538	43,391		90,941	421			155,752	3,697
Union Oil Co.	32,775	71,041		36,390	166	77,044			62,996
	164,583	187,504		335,944	956	126,093		405,966	155,016
DELPHIA—Truck			793			793			
DRY CREEK—									
Marathon Pipe Line Co.	8,155	250			(26)				8,431
ELK BASIN—Ohio Oil Co.		272,140				272,140			
FLAT COULEE—Truck			35,387					35,387	
FRANNIE—Marathon Pipeline Co.		1,734					1,734		
GAGE—Glacier Pipe Line Co.		248				248			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipe Line Co.	12,651	68,323	10,517		852			86,478	4,161
HIBBARD—Truck			597					597	
IVANHOE—Glacier Pipe Line Co.		33,225				33,225			
KEG COULEE—									
Glacier Pipe Line Co.		30,243				30,243			
KEVIN SUNBURST—									
Big West Oil Co.	2,438	80,065				78,450			4,053
Homestake Oil & Gas Co.	380	2,595							2,975
Texas Pipe Line Co.	6,172	19,588			122			18,809	6,829
	8,990	102,248			122	78,450		18,809	13,857
LONE TREE—Truck			7,062				7,062		
MELSTONE—									
Glacier Pipe Line Co.		3,969				3,969			
MOSSER—Truck			701				701		
MUSSELSHELL—Truck			1,701				1,701		
PONDERA—Phillips Petr. Co.	6,066	38,325		85,594	(330)	110,052			20,263
POPLAR, BENRUD, BREDETTE, DWYER, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY & TULE CREEK—									
East Poplar Gathering System	5,221	302,189			(914)			287,511†	20,743
Hunt Petroleum Corp.		15,779					15,779		
	5,221	317,898			(914)		15,779	287,511	20,743
RAGGED POINT—									
Glacier Pipe Line Co.		10,581				1,926	8,655		
RED CREEK—Teton Pipeline Co.		42,931			429			42,502	
Mountain Crude			2,410	6,005				8,415	
		42,931	2,410	6,005	429			50,917	
SIDNEY-BRORSON—McWood Corp.	3,048		3,190	2,893				4,239	4,892
SNYDER—McWood Corp.			1,020					1,020	
SOAP CREEK—McWood Corp.	2,431		4,142	1,499		6,274			1,798
SPRING LAKE—Truck			13,765				13,765		
SUMATRA AND STENSVAD—									
Glacier Pipe Line Co.	392,035	189,996		255,432		231,535	292,489		313,439
WHITLASH—Truck			11,857			8,625		3,232	
WOLF SPRINGS—									
Glacier Pipe Line Co.		16,937				16,937			
WILDCAT WELLS—									
Sheridan and Roosevelt Counties			10,745				10,745		
TOTALS	901,594	2,579,600	127,178	1,521,086	1,089	985,129	1,920,890	1,361,656	860,694

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey and Southwest Richey.

†Transferred to Butte Pipe Line Company.

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Montana School of Mines
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Butte, Montana

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF JULY, 1963

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Rfg. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall	.....	20,049	.....	.....	.....	.....	.....	.....	20,049
Blackfoot	.....	.....	.....	.....	.....	.....	.....	7,338	7,333
Bowes	.....	.....	8,966	.....	.....	.....	.....	.....	8,966
Cat Creek	.....	8,001	.....	7,003	.....	2,279	.....	.....	17.283
Cut Bank	.....	.....	.....	.....	.....	.....	84,533	41,560	126,093
Delphia	.....	.....	.....	.....	.....	896	.....	.....	896
Devil's Basin	.....	.....	.....	.....	.....	214	.....	.....	214
Dry Creek	.....	.....	.....	651	.....	.....	.....	.....	651
Elk Basin	.....	107,016	.....	73,589	93,257	.....	.....	.....	273,862
Flat Coulee	35,387	.....	.....	.....	.....	.....	.....	.....	35.387
Gage	.....	479	.....	.....	.....	.....	.....	.....	47)
Hibbard	.....	.....	.....	.....	.....	694	.....	.....	694
Ivanhoe	.....	.....	.....	32,774	.....	.....	.....	.....	32,774
Keg Coulee	.....	30,242	.....	.....	.....	.....	.....	.....	30.242
Kevin Sunburst	46,005	.....	.....	.....	.....	.....	.....	.....	46,005
Melstone	.....	.....	.....	3,968	.....	.....	.....	.....	3,968
Pondera	.....	.....	.....	.....	.....	.....	110,052	.....	110,052
Ragged Point	.....	.....	.....	3,973	.....	.....	.....	.....	3,973
Reagan	.....	.....	.....	.....	.....	.....	.....	18,501	18,501
Sumatra & Stensvad	.....	354	.....	113,929	117,252	.....	.....	.....	231,535
Whitlash	11,857	.....	.....	.....	.....	.....	.....	.....	11,857
Wolf Springs	.....	.....	.....	.....	15,839	.....	.....	.....	15,839
Total Montana Oil	93,249	166,141	8,966	235,887	226,348	4,083	194,585	67,399	996,658
Canadian Oil Imported	.....	102,266	.....	.....	51,837	.....	.....	2,115	156,218
Wyoming Oil Imported	.....	270,442	.....	343.713	813,995	2,511	.....	.....	1,430,661
Total Montana, Canadian and Wyoming Oil	93,249	538,849	8,966	579,600	1,092,180	6,594	194,585	69,514	2.583,537

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1962	30,616	728	45,775	77,119
July, 1962	29,466	218	52,874	82,558
July, 1963	32,150	5,040	46,150	83,340

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1962	39.69%	.96%	59.35%
July, 1962	35.69%	.27%	64.04%
July, 1963	38.57%	6.06%	55.37%